DRAWING ADAPTED FROM SITE PLAN PROVIDED BY: Rabon Metcalf Engineering

PREPARED FOR:
Mr. Michael Davis

FM 158 - SITE RECLAMATION
BRYAN, TEXAS

CME TESTING AND ENGINEERING, INC.

PROJ. NO.: 26109
DRAWN BY: MDK
DATE: 10/03/06
REV. DATE:
SCALE: AS SHOWN
APPR: PLE

FIGURE:
1

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 9/25/06
Project No.: 26109
Report No.: 1

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

Thursday, September 21, 2006

Mr. Michael Davis delivered two samples of on-site soils to CME Testing and Engineering, Inc. (CME) on Thursday, September 21, 2006 for laboratory analysis. According to Mr. Davis the soils are proposed for use as site fill for the above referenced project. The location from which each sample was taken was not provided to CME. However, a numerical designation or identification for each sample was provided as indicated in the following Table I.

As requested by Mr. Davis, classification tests and moisture-density relationship tests were performed on the collected samples. The classification tests consisted of Atterberg limits tests (ASTM D 4318) and the percent fines test (Amount of Material in Soils Finer than No. 200 Sieve, ASTM D 1140). The results of the classification tests are presented in the attached Table I. The moisture-density relationships were determined in accordance with the Standard Proctor test (ASTM D 698). The results of the moisture-density relationship analyses and associated classification tests are presented in Report Nos. 2 and 3 (Compaction Test Reports).

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

Reese Brown

TABLE I. LABORATORY TEST RESULTS OF PROPOSED SITE FILL

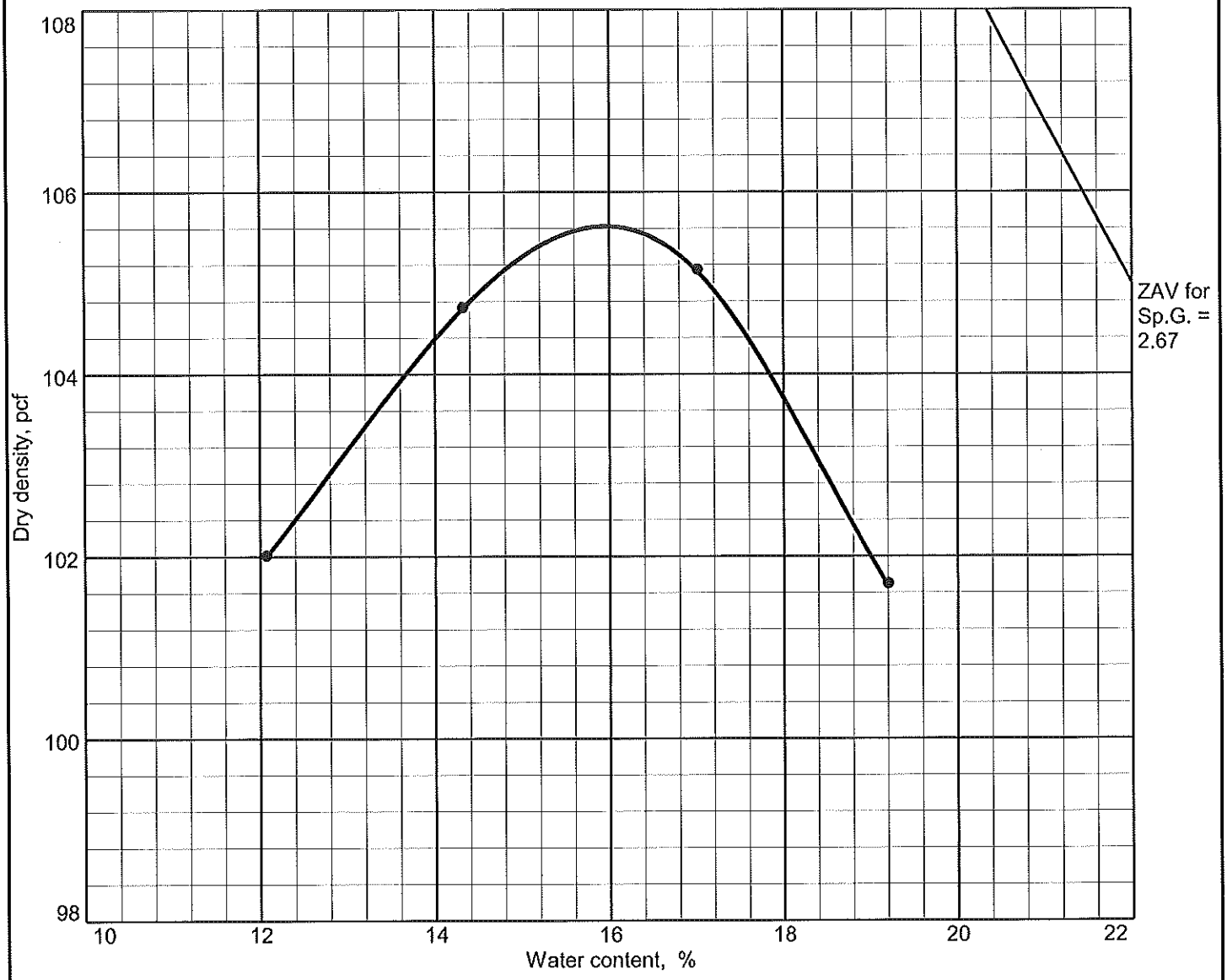
Lab No.	Sample Location	Material Description	Unified Soil Classification (ASTM D 2487)	Percent Passing No. 200 Sieve (ASTM D 1140)	Liquid Limit (ASTM D 4318)	Plasticity Index (ASTM D 4318)	Comments [1]
528	Sample #1	Brown Sandy Lean Clay	CL	62.9	29	14	Sample meets project specifications.
529	Sample #2	Brown Sandy Lean Clay	CL	61.8	31	16	Sample meets project specifications.

Note 1:

The following testing requirements were communicated to CME via email sent from Mr. Rabon Metcalf, P.E., of Rabon Metcalf Engineering on September 14, 2006:

1. *Fill material shall have a PI range between 7 and 40 and the material shall be free from trash, lumps, clods, organic substance and other foreign matter.*
2. *Fill material shall be placed in eight inch maximum loose lifts, with each lift wetted or dried to a moisture content range of –2% to +3% of the optimum moisture content and compacted to a uniform density of 95% of the maximum dry density as determined by ASTM D698.*
3. *Compaction tests, for fill, shall be verified by in-place density test for each lift (1 test per 15,000 sq. ft. of fill area).*

COMPACTION TEST REPORT



Test specification: ASTM D 698-00a Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
	CL				29	14		62.9

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 105.6 pcf Optimum moisture = 16.0 %	Brown Sandy Lean Clay

Project No. 26109 **Client:** MR. MICHAEL DAVIS

Project: FM 158 - SITE RECLAMATION

● **Location:** Sample #1

Remarks:

Sample delivered by Mr. Michael Davis on 9/21/06 to CME.

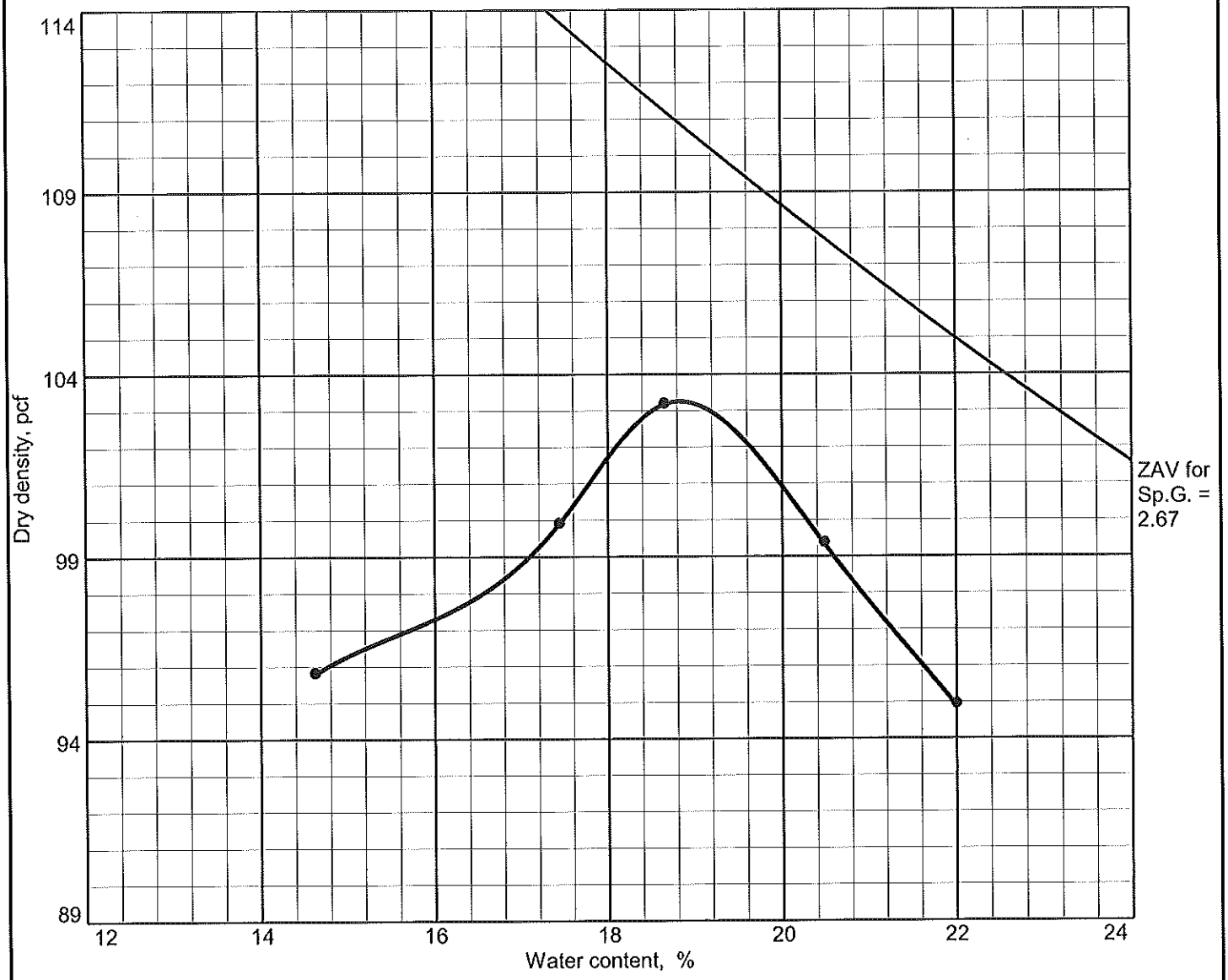
Lab No. 528

CME Testing and Engineering, Inc.

College Station, Texas

Report No. 2

COMPACTION TEST REPORT



Test specification: ASTM D 698-00a Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
	CL				31	16		61.8

TEST RESULTS

Maximum dry density = 103.3 pcf

Optimum moisture = 18.8 %

MATERIAL DESCRIPTION

Brown Sandy Lean Clay

Project No. 26109 **Client:** MR. MICHAEL DAVIS

Project: FM 158 - SITE RECLAMATION

● **Location:** Sample #2

Remarks:

Sample delivered by Mr. Michael Davis on 9/21/06 to CME.

Lab No. 529

CME Testing and Engineering, Inc.

College Station, Texas

Report No. 3

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 9/27/06
Project No.: 26109
Report No.: 4
Technician: Juan Vasquez
Arrival Time: 10:27 AM
Time Charge: 1.0 Hour
Requested By: Michael Davis

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

REPORT OF FIELD DENSITY TESTS

Wednesday, September 27, 2006

PROCTOR TEST INFORMATION

Proctor Reference	Maximum Dry Density, pcf	Optimum Moisture, %	Test Method	Material Description	Moisture Specification	Compaction Specification
1	105.6	16.0	ASTM D 698 Method A	Brown Sandy Lean Clay	-2% to +3%	95%
2	103.3	18.8	ASTM D 698 Method A	Brown Sandy Lean Clay	-2% to +3%	95%

FIELD MOISTURE & DENSITY TEST RESULTS

Location of In-Place Test [2]	Proctor Reference	Test Depth, in.	Dry Density, pcf	Moisture Content, %	Moisture Difference [1]	Comp-action, %	Pass/ Fail
1ST LIFT OF SITE FILL							
Grid Location D.7/7.6	2	6	105.4	18.3	-0.5	102	Pass
Grid Location E.6/6.5	2	6	103.7	19.4	0.6	100	Pass
Grid Location E.5/9.2	1	6	105.6	17.2	1.2	100	Pass

Notes: 1. Difference with respect to the optimum moisture content.
2. See the attached Grid Map drawing attached to this report for site grid locations.

General Notes: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable ASTM methods: D 2922 and D 3017.

Remarks: Mr. Michael Davis was informed of field test results.

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

Russ Brown

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 10/2/06
Project No.: 26109
Report No.: 5

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

Thursday, September 28, 2006

Mr. Michael Davis delivered one sample of on-site soils to CME Testing and Engineering, Inc. (CME) on Thursday, September 28, 2006 for laboratory analysis. According to Mr. Davis the soils are proposed for use as site fill for the above referenced project. The location from which the sample was taken was not provided to CME. However, a numerical designation or identification for the sample was provided as indicated in the following Table I.

As requested by Mr. Davis, classification tests and a moisture-density relationship test were performed on the collected sample. The classification tests consisted of Atterberg limits tests (ASTM D 4318) and the percent fines test (Amount of Material in Soils Finer than No. 200 Sieve, ASTM D 1140). The results of the classification tests are presented in the attached Table I. The moisture-density relationship was determined in accordance with the Standard Proctor test (ASTM D 698). The results of the moisture-density relationship analysis and associated classification tests are presented in Report No. 6 (Compaction Test Report).

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

TABLE I. LABORATORY TEST RESULTS OF PROPOSED SITE FILL

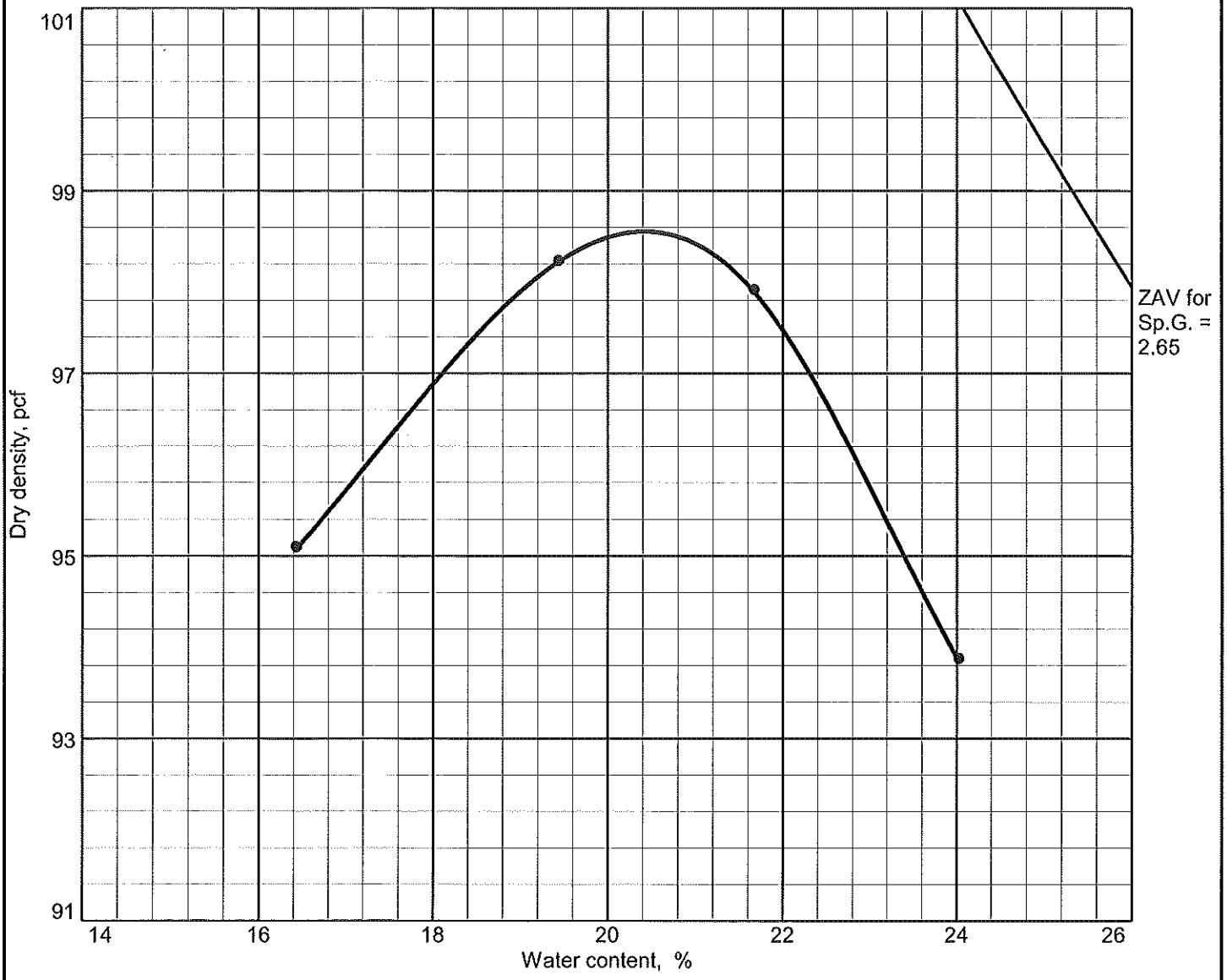
Lab No.	Sample Location	Material Description	Unified Soil Classification (ASTM D 2487)	Percent Passing No. 200 Sieve (ASTM D 1140)	Liquid Limit (ASTM D 4318)	Plasticity Index (ASTM D 4318)	Comments [1]
547	Sample #3	Gray Clayey Sand	SC	45.6	50	32	Sample meets project specifications

Note 1:

The following testing requirements were communicated to CME via email sent from Mr. Rabon Metcalf, P.E., of Rabon Metcalf Engineering on September 14, 2006:

1. *Fill material shall have a PI range between 7 and 40 and the material shall be free from trash, lumps, clods, organic substance and other foreign matter.*
2. *Fill material shall be placed in eight inch maximum loose lifts, with each lift wetted or dried to a moisture content range of –2% to +3% of the optimum moisture content and compacted to a uniform density of 95% of the maximum dry density as determined by ASTM D698.*
3. *Compaction tests, for fill, shall be verified by in-place density test for each lift (1 test per 15,000 sq. ft. of fill area).*

COMPACTION TEST REPORT



Test specification: ASTM D 698-00a Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
Stockpile	SC				50	32		45.6

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 98.6 pcf Optimum moisture = 20.4 %	Gray Clayey Sand

Project No. 26109 **Client:** MR. MICHAEL DAVIS

Project: FM 158 - SITE RECLAMATION

● **Location:** Sample #3

CME Testing and Engineering, Inc.

College Station, Texas

Remarks:

Sample delivered by Mr. Michael Davis on 9/28/06 to CME.

Lab No. 547

Report No. 6

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 10/3/06
Project No.: 26109
Report No.: 7
Technician: Juan Vasquez
Arrival Time: 4:30 PM
Time Charge: 1.0 Hour
Requested By: Michael Davis

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

REPORT OF FIELD DENSITY TESTS

Tuesday, October 3, 2006

PROCTOR TEST INFORMATION

Proctor Reference	Maximum Dry Density, pcf	Optimum Moisture, %	Test Method	Material Description	Moisture Specification	Compaction Specification
1	103.3	18.8	ASTM D 698 Method A	Brown Sandy Lean Clay	-2% to +3%	95%

FIELD MOISTURE & DENSITY TEST RESULTS

Location of In-Place Test	Proctor Reference	Test Depth, in.	Dry Density, pcf	Moisture Content, %	Moisture Difference [1]	Comp-action, %	Pass/ Fail
1ST LIFT OF SITE FILL							
Grid Location J.0/6.0	1	6	90.3	18.2	-0.6	87	Fail
Grid Location I.0/8.0	1	6	101.2	11.6	-7.2	98	Fail
Grid Location G.0/10.0	1	6	101.0	14.1	-4.7	98	Fail

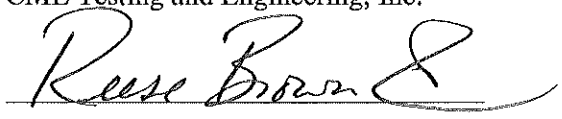
Notes: 1. Difference with respect to the optimum moisture content.

General Notes: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable ASTM methods: D 2922 and D 3017.

Remarks: Mr. Michael Davis was informed of field test results.

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.



CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 10/4/06
Project No.: 26109
Report No.: 8

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

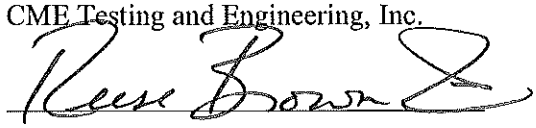
Wednesday, October 4, 2006

At the request of Mr. Michael Davis, Mr. Juan Vasquez of CME Testing and Engineering, Inc. (CME) traveled to the site of the project referred to as "FM 158 – Site Reclamation" in Bryan, Texas. Mr. Vasquez arrived on site at 1:00 p.m. on Wednesday, October 4, 2006 to conduct a series of field moisture-density tests on the first lift of site fill soils. Mr. Vasquez waited at the project site until 1:15 p.m. and was subsequently informed by Mr. Davis that the moisture density operations had been cancelled because the area was not watered. Mr. Davis rescheduled the field testing activities for October 9, 2006.

Time Charge: Juan Vasquez – 1.0 Hour

Copies To: Mr. Rabon Metcalf, P. E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.



CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 10/9/06
Project No.: 26109
Report No.: 9
Technician: Reese Brown
Arrival Time: 2:30 PM
Time Charge: 1.5 Hours
Requested By: Michael Davis

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

REPORT OF FIELD DENSITY TESTS

Monday, October 9, 2006

PROCTOR TEST INFORMATION

Proctor Reference	Maximum Dry Density, pcf	Optimum Moisture, %	Test Method	Material Description	Moisture Specification	Compaction Specification
1	103.3	18.8	ASTM D 698 Method A	Brown Sandy Lean Clay	-2% to +3%	95%
2	105.6	16.0	ASTM D 698 Method A	Brown Sandy Lean Clay	-2% to +3%	95%

FIELD MOISTURE & DENSITY TEST RESULTS

Location of In-Place Test	Proctor Reference	Test Depth, in.	Dry Density, pcf	Moisture Content, %	Moisture Difference [1]	Comp-action, %	Pass/ Fail
1ST LIFT OF SITE FILL							
Grid Location J.0/6.0 (Restest)	1	6	95.3	14.5	-4.3	92	Fail
Grid Location E.3/6.0	2	12	108.3	14.0	-2.0	103	Pass
Grid Location E.3/7.7	1	12	93.7	21.2	2.4	91	Fail
Grid Location F.8/5.6	1	12	95.7	20.8	2.0	93	Fail
Grid Location H.0/8.0	1	12	91.4	24.8	6.0	88	Fail
Grid Location H.0/9.7	2	6	98.2	16.1	0.1	93	Fail

Notes: 1. Difference with respect to the optimum moisture content.

General Notes: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable ASTM methods: D 2922 and D 3017.

Remarks: Mr. Michael Davis was informed of field test results.

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

Reese Brown

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 11/11/06
Project No.: 26109
Report No.: 10
Technician: Jimmy Ledford
Arrival Time: 10:30 AM
Time Charge: 1.5 Hours
Requested By: Michael Davis

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

REPORT OF FIELD DENSITY TESTS

Saturday, November 11, 2006

PROCTOR TEST INFORMATION

Proctor Reference	Maximum Dry Density, pcf	Optimum Moisture, %	Test Method	Material Description	Moisture Specification	Compaction Specification
1	103.3	18.8	ASTM D 698 Method A	Brown Sandy Lean Clay	-2% to +3%	95%
2	98.6	20.4	ASTM D 698 Method A	Gray Clayey Sand	-2% to +3%	95%

FIELD MOISTURE & DENSITY TEST RESULTS

Location of In-Place Test	Proctor Reference	Test Depth, in.	Dry Density, pcf	Moisture Content, %	Moisture Difference [1]	Comp-action, %	Pass/ Fail
1ST LIFT OF SITE FILL							
Grid Location I.5/3.3	2	12	96.7	19.3	-1.1	98	Pass
Grid Location L.6/4.6	2	12	93.0	18.3	-2.1	94	Fail
Grid Location J.0/6.0 (Retest)	1	6	92.2	23.8	5.0	89	Fail
Grid Location E.3/7.7 (Retest)	1	12	98.8	17.4	-1.4	96	Pass
Grid Location F.8/5.6 (Retest)	1	12	99.9	17.3	-1.5	97	Pass
Grid Location H.0/8.0 (Retest)	1	12	96.3	21.1	2.3	93	Fail
Grid Location H.0/8.0 (Retest)	1	6	97.5	20.9	2.1	94	Fail

Notes: 1. Difference with respect to the optimum moisture content.

General Notes: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable ASTM methods: D 2922 and D 3017.

Remarks: Mr. Michael Davis was informed of field test results.

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 2/09/07
Project No.: 26109
Report No.: 11

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

Friday, February 9, 2007

At the request of Mr. Michael Davis, Mr. Anthony Muzny of CME Testing and Engineering, Inc. (CME) traveled to the site of the project referred to as the "FM 158 – Site Reclamation" in Bryan, Texas. Mr. Muzny arrived on site at 3:00 p.m. on Friday, February 9, 2007 to conduct a series of field moisture-density tests on the first lift of site fill soils. Mr. Muzny waited at the project site until 3:25 p.m. and was subsequently informed by Mr. Davis that the moisture density operations had been cancelled because the area to be tested was to wet. Mr. Davis did not reschedule the field testing activities at this time.

Time Charge: Anthony Muzny – 1.0 Hour

Copies To: Mr. Rabon Metcalf, P. E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 2/19/07
Project No.: 26109
Report No.: 12
Technician: Anthony Muzny
Arrival Time: 9:00 AM
Time Charge: 2.0 Hours
Requested By: Michael Davis

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

REPORT OF FIELD DENSITY TESTS

Monday, February 19, 2007

PROCTOR TEST INFORMATION

Proctor Reference	Maximum Dry Density, pcf	Optimum Moisture, %	Test Method	Material Description	Moisture Specification	Compaction Specification
1	103.3	18.8	ASTM D 698 Method A	Brown Sandy Lean Clay	-2% to +3%	95%
2	105.6	16.0	ASTM D 698 Method A	Brown Sandy Lean Clay	-2% to +3%	95%
3	98.6	20.4	ASTM D 698 Method A	Gray Clayey Sand	-2% to +3%	95%

FIELD MOISTURE & DENSITY TEST RESULTS

Location of In-Place Test	Proctor Reference	Test Depth, in.	Dry Density, pcf	Moisture Content, %	Moisture Difference [1]	Comp-action, %	Pass/ Fail
1ST LIFT OF SITE FILL							
Grid Location E.4/4.5	3	12	97.5	22.0	1.6	99	Pass
Grid Location J.3/4.4	3	12	92.2	25.3	4.9	94	Fail
Grid Location H.6/4.7	3	12	97.2	22.2	1.8	99	Pass
Grid Location F.8/5.6 (Retest)	1	12	102.1	17.5	-1.3	99	Pass
Grid Location H.0/8.0 (Retest)	3	6	94.7	21.6	1.2	96	Pass
Grid Location H.0/8.0 (Retest)	3	12	94.6	19.9	-0.5	96	Pass
Grid Location G.0/10.0 (Retest)	1	6	100.0	19.1	0.3	97	Pass
Grid Location H.0/9.7 (Retest)	2	6	102.3	18.2	2.2	97	Pass
Grid Location I.0/8.0 (Retest)	1	6	98.2	21.4	2.6	95	Pass

FIELD MOISTURE & DENSITY TEST RESULTS - (CONTINUED)

Location of In-Place Test	Proctor Reference	Test Depth, in.	Dry Density, pcf	Moisture Content, %	Moisture Difference [1]	Comp-action, %	Pass/ Fail
1ST LIFT OF SITE FILL							
Grid Location J.0/6.0 (Retest)	2	6	105.4	14.5	-1.5	100	Pass
Grid Location L.6/4.6 (Retest)	1	6	101.8	18.9	0.1	99	Pass

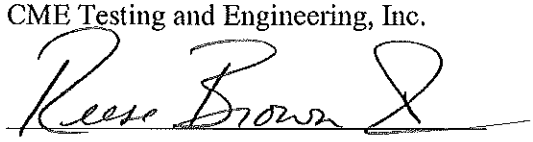
Notes: 1. Difference with respect to the optimum moisture content.

General Notes: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable ASTM methods: D 2922 and D 3017.

Remarks: Mr. Michael Davis was informed of field test results.

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.



CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 5/19/08
Project No.: 26109
Report No.: 13

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

Friday, May 16, 2008

Mr. Michael Davis delivered one sample of proposed site fill soils to CME Testing and Engineering, Inc. (CME) on Friday, May 16, 2008 for laboratory analysis. According to Mr. Davis the soils are proposed for use as site fill at the project known as "FM 158 – Site Reclamation" which is located in Bryan, Texas. The sample was collected from a stockpile located at the project site referred to as "The Lofts at Wolf Pen Creek" which is located at the intersection of Holloman Drive and Dartmouth Street in College Station Texas.

As requested by Mr. Davis, classification tests and a moisture-density relationship test were performed on the collected sample. The classification tests consisted of Atterberg limits tests (ASTM D 4318) and the percent fines test (Amount of Material in Soils Finer than No. 200 Sieve, ASTM D 1140). The results of the classification tests are presented in the attached Table I. The moisture-density relationship was determined in accordance with the Standard Proctor test (ASTM D 698). The results of the moisture-density relationship analysis and associated classification tests are presented in Report No. 13-A (Compaction Test Report).

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

Jarrod R Tonta

TABLE I. LABORATORY TEST RESULTS OF PROPOSED SITE FILL

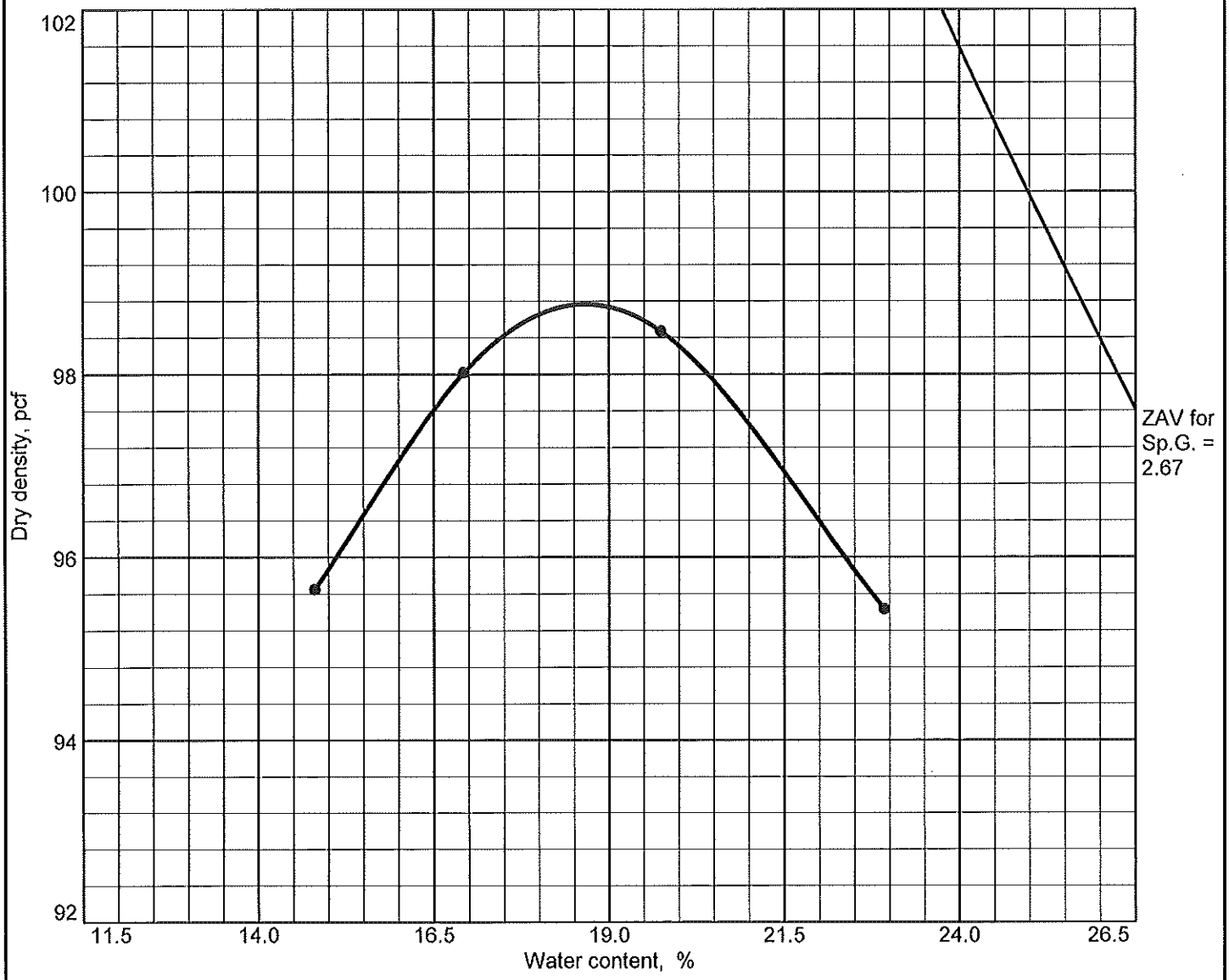
Lab No.	Sample Location	Material Description	Unified Soil Classification (ASTM D 2487)	Percent Passing No. 200 Sieve (ASTM D 1140)	Liquid Limit (ASTM D 4318)	Plasticity Index (ASTM D 4318)	Comments [1]
419	Stockpile Located at the Project Site Referred to as "The Lofts at Wolf Pen Creek"	Brown Lean Clay with Sand	CL	72.7	48	32	Sample meets project specifications. (See Report No. 13-A)

Note 1:

The following testing requirements were communicated to CME via email sent from Mr. Rabon Metcalf, P.E., of Rabon Metcalf Engineering on September 14, 2006:

1. *Fill material shall have a PI range between 7 and 40 and the material shall be free from trash, lumps, clods, organic substance and other foreign matter.*
2. *Fill material shall be placed in eight inch maximum loose lifts, with each lift wetted or dried to a moisture content range of –2% to +3% of the optimum moisture content and compacted to a uniform density of 95% of the maximum dry density as determined by ASTM D698.*
3. *Compaction tests, for fill, shall be verified by in-place density test for each lift (1 test per 15,000 sq. ft. of fill area).*

COMPACTION TEST REPORT



Test specification: ASTM D 698-07e1 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
Stockpile	CL				48	32		72.7

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 98.8 pcf Optimum moisture = 18.7 %	Brown Lean Clay with Sand

Project No. 26109 **Client:** MR. MICHAEL DAVIS

Project: FM 158 - SITE RECLAMATION; BRYAN, TEXAS

● **Location:** Stockpile at the Project Site known as "The Lofts at Wolf Pen Creek"

Remarks:

Sample delivered by Mr. Michael Davis to CME on 5/16/08.

Lab No. 419

CME Testing and Engineering, Inc.

College Station, Texas

Report No. 13-A

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 5/23/08
Project No.: 26109
Report No.: 14

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

Wednesday, May 21, 2008

At the request of Mr. Michael Davis, Mr. Anthony Muzny of CME Testing and Engineering, Inc. (CME) traveled to the site of the project referred to as "FM 158 – Site Reclamation" in Bryan, Texas. Mr. Muzny arrived on site at 3:30 p.m. on Wednesday, May 21, 2008. The purpose of CME's visit was to conduct a series of field moisture-density tests on site fill soils. The results of the field moisture-density tests are presented in the attached Table I.

In addition, at the request of Mr. Davis, Mr. Muzny also collected a soil sample for laboratory analysis. The sample was collected from the 2nd lift of fill soils on site at grid location F.3/3.0.

Classification tests were performed on the collected sample. The classification tests consisted of the Atterberg limits tests (ASTM D 4318), and the percent fines test (Amount of Material in Soils Finer than No. 200 Sieve, ASTM D 1140). The results of the classification tests are presented in the attached Table II. As can be seen by review of Table II, the collected soil sample meets the project specifications with respect to the plasticity index value.

Subsequently, a moisture-density relationship test was performed on the collected sample. The moisture-density relationship was determined in accordance with the Standard Proctor test (ASTM D 698). The results of the moisture-density relationship analysis and associated classification tests are presented in the following Report No. 14-A (Compaction Test Report). The results of the moisture-density relationship were subsequently utilized to evaluate respective field moisture-density tests conducted with the nuclear gauge.

Time Charge: Anthony Muzny – 1.5 Hours

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

Jarrod R Tanton

TABLE I. REPORT OF FIELD DENSITY TESTS

Proctor Reference	Maximum Dry Density, pcf	Optimum Moisture, %	Test Method	Material Description	Moisture Specification	Compaction Specification
1	98.8	18.7	ASTM D 698 Method A	Brown Lean Clay with Sand	-2% to +3%	95%
2	90.7	22.4	ASTM D 698 Method A	Tan & Brown Fat Clay with Sand	-2% to +3%	95%

FIELD MOISTURE & DENSITY TEST RESULTS

Location of In-Place Test	Proctor Reference	Test Depth, in.	Dry Density, pcf	Moisture Content, %	Moisture Difference [1]	Comp-action, %	Pass/ Fail
2ND LIFT OF SITE FILL							
Grid Location G.0/5.3	1	12	101.2	19.9	1.2	102	Pass
Grid Location E.5/3.9	1	12	97.4	20.1	1.4	99	Pass
Grid Location F.3/7.0	2	12	94.3	25.2	2.8	104	Pass
Grid Location E.0/9.0	1	12	90.4	18.6	-0.1	91	Fail
Grid Location E.0/8.4	1	12	98.5	18.6	-0.1	100	Pass
Grid Location J.6/9.6	1	12	97.0	17.9	-0.8	98	Pass

Notes: 1. Difference with respect to the optimum moisture content.

General Notes: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable ASTM methods: D 2922 and D 3017.

TABLE II. LABORATORY TEST RESULTS OF PROPOSED SITE FILL

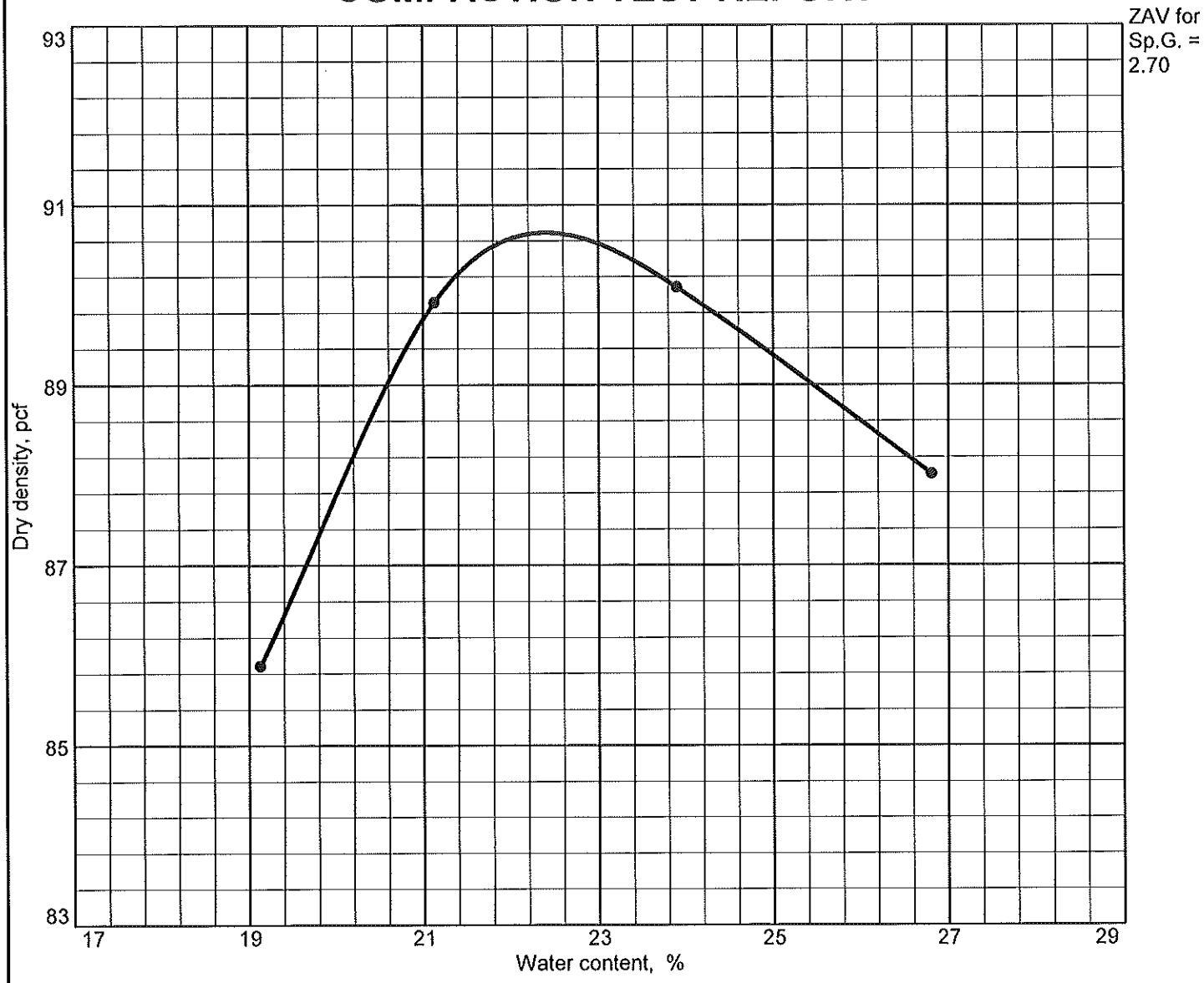
Lab No.	Sample Location	Material Description	Unified Soil Classification (ASTM D 2487)	Percent Passing No. 200 Sieve (ASTM D 1140)	Liquid Limit (ASTM D 4318)	Plasticity Index (ASTM D 4318)	Comments [1]
428	2nd lift of fill soils on site at grid location F.3/3.0.	Tan & Brown Fat Clay with Sand	CH	75.9	56	39	Sample meets project specifications. (See Report No. 14-A for Proctor Curve)

Note 1:

The following testing requirements were communicated to CME via email sent from Mr. Rabon Metcalf, P.E., of Rabon Metcalf Engineering on September 14, 2006:

1. *Fill material shall have a PI range between 7 and 40 and the material shall be free from trash, lumps, clods, organic substance and other foreign matter.*
2. *Fill material shall be placed in eight inch maximum loose lifts, with each lift wetted or dried to a moisture content range of –2% to +3% of the optimum moisture content and compacted to a uniform density of 95% of the maximum dry density as determined by ASTM D698.*
3. *Compaction tests, for fill, shall be verified by in-place density test for each lift (1 test per 15,000 sq. ft. of fill area).*

COMPACTION TEST REPORT



Test specification: ASTM D 698-07e1 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
0" to 12" B.E.G.S.	CH				56	39		75.9

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 90.7 pcf Optimum moisture = 22.4 %	Tan & Brown Fat Clay with Sand

Project No. 26109 **Client:** MR. MICHAEL DAVIS

Project: FM 158 - SITE RECLAMATION; BRYAN, TEXAS

● **Location:** 2nd Lift of Fill at Grid Location F.3/3.0

Remarks:

Date Sampled: 5/21/08

Lab No. 428

CME Testing and Engineering, Inc.

College Station, Texas

Report No. 14-A

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 5/26/08
Project No.: 26109
Report No.: 15

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

Friday, May 23, 2008

At the request of Mr. Michael Davis, Mr. Jimmy Ledford of CME Testing and Engineering, Inc. (CME) traveled to the site of the project referred to as "FM 158 – Site Reclamation" in Bryan, Texas. Mr. Ledford arrived on site at 1:00 p.m. on Friday, May 23, 2008. The purpose of CME's visit was to conduct a series of field moisture-density tests on site fill soils. The results of the field moisture-density tests are presented in the attached Table I.

In addition, at the request of Mr. Davis, Mr. Ledford also collected two soil samples for laboratory analysis. The samples were collected from the 1st and 2nd lifts of fill soils on site at grid locations J.1/5.1 and H.5/6.7, respectively.

Classification tests were performed on each of the collected samples. The classification tests consisted of the Atterberg limits tests (ASTM D 4318), and the percent fines test (Amount of Material in Soils Finer than No. 200 Sieve, ASTM D 1140). The results of the classification tests are presented in the attached Table II. As can be seen by review of Table II, the sample collected from grid location J.1/5.1 meets the project specifications with respect to the plasticity index value. However, the sample collected from grid location H.5/6.7 does not meet the project specifications with respect to the plasticity index value.

Subsequently, a moisture-density relationship test was performed on each of the collected samples. The moisture-density relationships were determined in accordance with the Standard Proctor test (ASTM D 698). The results of the moisture-density relationship analyses and associated classification tests are presented in the following Report Nos. 15-A and 15-B (Compaction Test Reports). The results of the moisture-density relationships were subsequently utilized to evaluate respective field moisture-density tests conducted with the nuclear gauge.

Time Charge: Jimmy Ledford – 2.0 Hours

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

TABLE I. REPORT OF FIELD DENSITY TESTS

Proctor Reference	Maximum Dry Density, pcf	Optimum Moisture, %	Test Method	Material Description	Moisture Specification	Compaction Specification
1	98.8	18.7	ASTM D 698 Method A	Brown Lean Clay with Sand	-2% to +3%	95%
2	96.7	22.0	ASTM D 698 Method A	Dark Brown Fat Clay with Sand	-2% to +3%	95%
3	91.3	23.1	ASTM D 698 Method A	Brown & Tan Fat Clay with Sand	-2% to +3%	95%
4	90.7	22.4	ASTM D 698 Method A	Tan & Brown Fat Clay with Sand	-2% to +3%	95%

FIELD MOISTURE & DENSITY TEST RESULTS

Location of In-Place Test	Proctor Reference	Test Depth, in.	Dry Density, pcf	Moisture Content, %	Moisture Difference [1]	Comp-action, %	Pass/ Fail
1ST LIFT OF SITE FILL							
Grid Location J.1/5.0	2	12	106.0	18.0	-4.0	110	Fail
2ND LIFT OF SITE FILL							
Grid Location E.0/9.0 (Retest)	1	12	94.9	17.9	-0.8	96	Pass
Grid Location F.5/8.1	4	12	92.6	22.0	-0.4	102	Pass
Grid Location I.2/5.9	4	12	91.6	19.5	-2.9	101	Fail
Grid Location H.5/6.7	3	12	84.3	23.6	0.5	92	Fail
Grid Location G.4/7.6	1	12	99.4	19.3	0.6	101	Pass
Grid Location G.0/10.4	3	12	91.7	25.9	2.8	100	Pass
Grid Location H.0/9.0	1	12	102.2	19.4	0.7	103	Pass

Notes: 1. Difference with respect to the optimum moisture content.

General Notes: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable ASTM methods: D 2922 and D 3017.

TABLE II. LABORATORY TEST RESULTS OF PROPOSED SITE FILL

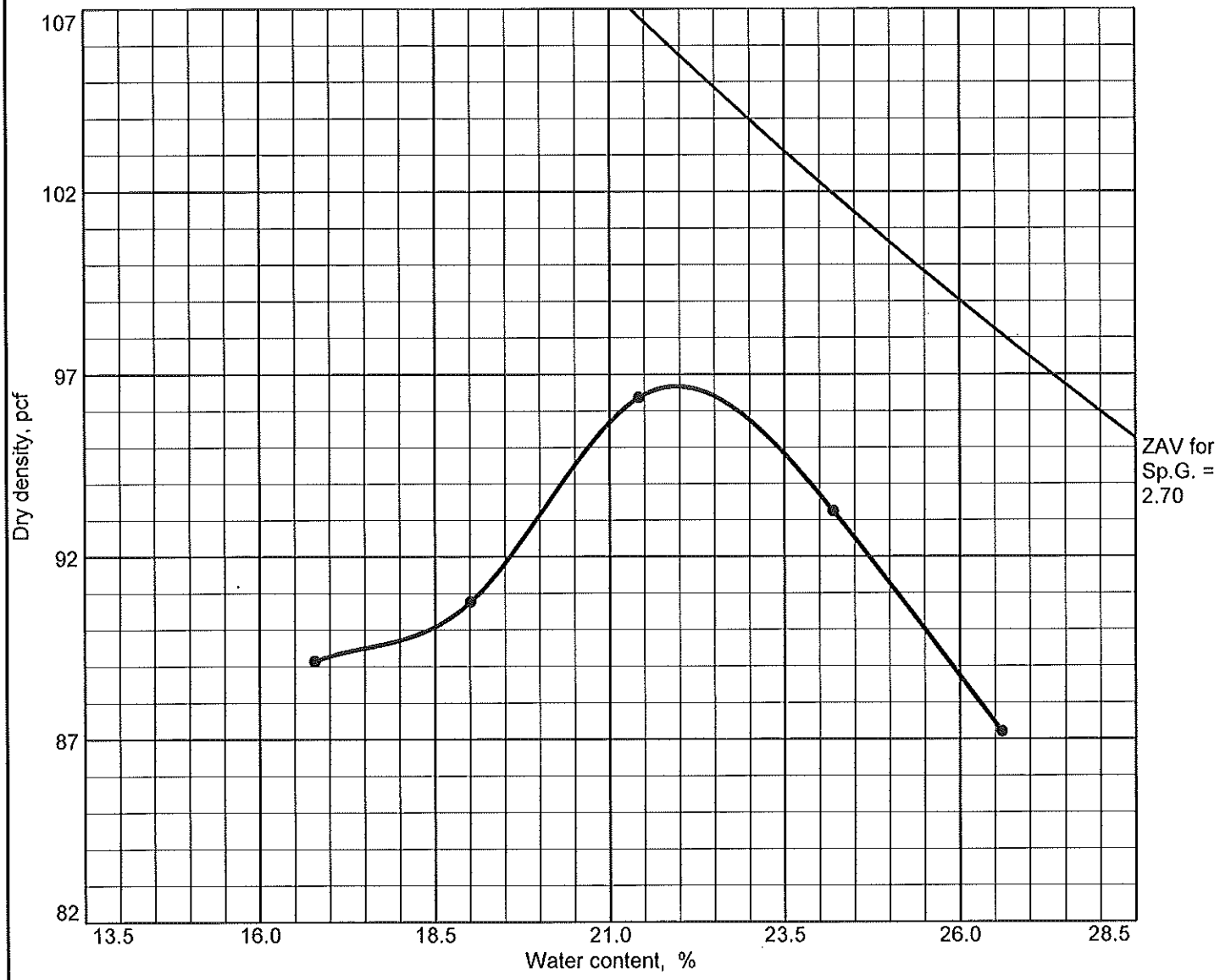
Lab No.	Sample Location	Material Description	Unified Soil Classification (ASTM D 2487)	Percent Passing No. 200 Sieve (ASTM D 1140)	Liquid Limit (ASTM D 4318)	Plasticity Index (ASTM D 4318)	Comments [1]
441	1st lift of fill soils on site at grid location J.1/5.1.	Dark Brown Fat Clay with Sand	CH	70.8	57	40	Sample meets project specifications. (See Report No. 15-A for Proctor Curve)
442	2nd lift of fill soils on site at grid location H.5/6.7.	Brown & Tan Fat Clay with Sand	CH	73.3	65	46	Sample does not meet project specifications. (See Report No. 15-B for Proctor Curve)

Note 1:

The following testing requirements were communicated to CME via email sent from Mr. Rabon Metcalf, P.E., of Rabon Metcalf Engineering on September 14, 2006:

1. *Fill material shall have a PI range between 7 and 40 and the material shall be free from trash, lumps, clods, organic substance and other foreign matter.*
2. *Fill material shall be placed in eight inch maximum loose lifts, with each lift wetted or dried to a moisture content range of –2% to +3% of the optimum moisture content and compacted to a uniform density of 95% of the maximum dry density as determined by ASTM D698.*
3. *Compaction tests, for fill, shall be verified by in-place density test for each lift (1 test per 15,000 sq. ft. of fill area).*

COMPACTION TEST REPORT



Test specification: ASTM D 698-07e1 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
0" to 12" B.E.G.S.	CH				57	40		70.8

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 96.7 pcf Optimum moisture = 22.0 %	Dark Brown Fat Clay with Sand

Project No. 26109 **Client:** MR. MICHAEL DAVIS

Project: FM 158 - SITE RECLAMATION; BRYAN, TEXAS

● **Location:** 1st Lift of Fill at Grid Location J.1/5.1

Remarks:

Date Sampled: 5/23/08

Lab No. 441

CME Testing and Engineering, Inc.

College Station, Texas

Report No. 15-A

COMPACTION TEST REPORT

Test specification: ASTM D 698-07e1 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
0" to 12" B.E.G.S.	CH				65	46		73.3

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 91.3 pcf Optimum moisture = 23.1 %	Brown & Tan Fat Clay with Sand

Project No. 26109 **Client:** MR. MICHAEL DAVIS

Project: FM 158 - SITE RECLAMATION; BRYAN, TEXAS

● **Location:** 2nd Lift of Fill at Grid Location H.5/6.7

Remarks:

Date Sampled: 05/23/2008

Lab No. 442

CME Testing and Engineering, Inc.

College Station, Texas

Report No. 15-B

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 5/30/08
Project No.: 26109
Report No.: 16
Technician: Anthony Muzny
Arrival Time: 10:45 AM
Time Charge: 1.5 Hours
Requested By: Michael Davis

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

REPORT OF FIELD DENSITY TESTS

Friday, May 30, 2008

PROCTOR TEST INFORMATION

Proctor Reference	Maximum Dry Density, pcf	Optimum Moisture, %	Test Method	Material Description	Moisture Specification	Compaction Specification
1	98.8	18.7	ASTM D 698 Method A	Brown Lean Clay with Sand	-2% to +3%	95%
2	91.3	23.1	ASTM D 698 Method A	Brown & Tan Fat Clay with Sand	-2% to +3%	95%
3	96.7	22.0	ASTM D 698 Method A	Dark Brown Fat Clay with Sand	-2% to +3%	95%
4	90.7	22.4	ASTM D 698 Method A	Tan & Brown Fat Clay with Sand	-2% to +3%	95%

FIELD MOISTURE & DENSITY TEST RESULTS

Location of In-Place Test	Proctor Reference	Test Depth, in.	Dry Density, pcf	Moisture Content, %	Moisture Difference [1]	Comp-action, %	Pass/ Fail
2ND LIFT OF SITE FILL							
Grid Location I.0/8.8	2	12	88.4	24.1	1.0	97	Pass
Grid Location J.0/8.0	3	12	94.3	21.2	-0.8	98	Pass
3RD LIFT OF SITE FILL							
Grid Location G.0/5.3	1	12	99.9	19.3	0.6	101	Pass
Grid Location E.5/4.2	1	12	95.7	20.0	1.3	97	Pass
Grid Location F.8/3.7	3	12	92.6	21.8	-0.2	96	Pass
Grid Location H.4/4.5	2	12	87.6	22.7	-0.4	96	Pass
Grid Location I.8/5.5	4	12	86.7	24.0	1.6	96	Pass
Grid Location I.5/6.5	4	12	86.5	21.1	-1.3	95	Pass
Grid Location F.5/8.4	4	12	88.8	21.4	-1.0	98	Pass
Grid Location D.5/8.7	3	12	95.2	21.2	-0.8	98	Pass

Notes: 1. Difference with respect to the optimum moisture content.

General Notes: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable ASTM methods: D 2922 and D 3017.

Remarks: Mr. Michael Davis was informed of field test results.

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

Jarrod R Tanton

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 6/3/08
Project No.: 26109
Report No.: 17
Technician: Anthony Muzny
Arrival Time: 2:20 PM
Time Charge: 1.5 Hours
Requested By: Michael Davis

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

REPORT OF FIELD DENSITY TESTS

Tuesday, June 3, 2008

PROCTOR TEST INFORMATION

Proctor Reference	Maximum Dry Density, pcf	Optimum Moisture, %	Test Method	Material Description	Moisture Specification	Compaction Specification
1	98.8	18.7	ASTM D 698 Method A	Brown Lean Clay with Sand	-2% to +3%	95%
2	91.3	23.1	ASTM D 698 Method A	Brown & Tan Fat Clay with Sand	-2% to +3%	95%
3	96.7	22.0	ASTM D 698 Method A	Dark Brown Fat Clay with Sand	-2% to +3%	95%
4	90.7	22.4	ASTM D 698 Method A	Tan & Brown Fat Clay with Sand	-2% to +3%	95%

FIELD MOISTURE & DENSITY TEST RESULTS

Location of In-Place Test	Proctor Reference	Test Depth, in.	Dry Density, pcf	Moisture Content, %	Moisture Difference [1]	Comp-action, %	Pass/ Fail
1ST LIFT OF SITE FILL FOR GULLEY							
Grid Location I.0/5.5	1	12	98.5	19.4	0.7	100	Pass
2ND LIFT OF SITE FILL							
Grid Location J.9/5.3	3	12	92.5	24.3	2.3	96	Pass
Grid Location J.5/3.2	1	12	100.9	21.5	2.8	102	Pass
Grid Location I.5/3.5	4	12	87.7	24.0	1.6	97	Pass
Grid Location I.0/4.3	4	12	86.6	23.3	0.9	95	Pass
Grid Location I.5/5.0	3	12	96.8	22.3	0.3	100	Pass
Grid Location K.2/5.3	4	12	86.8	25.0	2.6	96	Pass
Grid Location L.0/5.0	1	12	96.3	19.4	0.7	97	Pass
Grid Location K.5/6.1	2	12	91.1	21.9	-1.2	100	Pass

Notes: 1. Difference with respect to the optimum moisture content.

General Notes: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable ASTM methods: D 2922 and D 3017.

Remarks: Mr. Michael Davis was informed of field test results.

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

Jarrod R Turner

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 6/5/08
Project No.: 26109
Report No.: 18
Technician: Anthony Muzny
Arrival Time: 10:00 AM
Time Charge: 1.5 Hours
Requested By: Michael Davis

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

REPORT OF FIELD DENSITY TESTS

Thursday, June 5, 2008

PROCTOR TEST INFORMATION

Proctor Reference	Maximum Dry Density, pcf	Optimum Moisture, %	Test Method	Material Description	Moisture Specification	Compaction Specification
1	98.8	18.7	ASTM D 698 Method A	Brown Lean Clay with Sand	-2% to +3%	95%
2	96.7	22.0	ASTM D 698 Method A	Dark Brown Fat Clay with Sand	-2% to +3%	95%

FIELD MOISTURE & DENSITY TEST RESULTS

Location of In-Place Test	Proctor Reference	Test Depth, in.	Dry Density, pcf	Moisture Content, %	Moisture Difference [1]	Comp-action, %	Pass/ Fail
2ND LIFT OF SITE FILL FOR GULLEY							
Grid Location I.1/5.5	2	12	94.4	22.9	0.9	98	Pass
Grid Location I.7/6.1	1	12	96.9	19.9	1.2	98	Pass
Grid Location H.1/5.1	1	12	99.4	20.0	1.3	101	Pass
2ND LIFT OF SITE FILL							
Grid Location H.8/6.0	1	12	97.8	21.0	2.3	99	Pass
Grid Location J.7/7.3	1	12	95.4	21.7	3.0	97	Pass
Grid Location J.0/8.8	1	12	100.3	19.5	0.8	102	Pass
Grid Location H.8/10	1	12	100.0	16.8	-1.9	101	Pass

Notes: 1. Difference with respect to the optimum moisture content.

General Notes: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable ASTM methods: D 2922 and D 3017.

Remarks: Mr. Michael Davis was informed of field test results.

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

Jarrod R Tarter

CME Testing and Engineering, Inc.
1806 Welsh Avenue, Suite C
College Station, Texas 77840
(979) 764-8700 Fax (979) 764-6900

Client: Mr. Michael Davis
4002 Aspen Drive
Bryan, Texas 77801

Report Date: 6/10/08
Project No.: 26109
Report No.: 19
Technician: David Requena
Arrival Time: 11:30 AM
Time Charge: 1.5 Hours
Requested By: Michael Davis

PROJECT: FM 158 – SITE RECLAMATION; BRYAN, TEXAS

REPORT OF FIELD DENSITY TESTS

Tuesday, June 10, 2008

PROCTOR TEST INFORMATION

Proctor Reference	Maximum Dry Density, pcf	Optimum Moisture, %	Test Method	Material Description	Moisture Specification	Compaction Specification
1	98.8	18.7	ASTM D 698 Method A	Brown Lean Clay with Sand	-2% to +3%	95%
2	91.3	23.1	ASTM D 698 Method A	Brown & Tan Fat Clay with Sand	-2% to +3%	95%

FIELD MOISTURE & DENSITY TEST RESULTS

Location of In-Place Test	Proctor Reference	Test Depth, in.	Dry Density, pcf	Moisture Content, %	Moisture Difference [1]	Comp-action, %	Pass/ Fail
3RD LIFT OF SITE FILL							
Grid Location H.0/5.3	1	12	95.0	18.2	-0.5	96	Pass
Grid Location H.7/5.8	2	12	91.5	22.9	-0.2	100	Pass
Grid Location I.0/8.0	1	12	98.3	19.9	1.2	99	Pass
Grid Location J.2/8.2	1	12	98.1	17.9	-0.8	99	Pass
Grid Location J.2/5.4	2	12	91.7	22.1	-1.0	100	Pass
Grid Location J.5/9.7	1	12	95.5	21.7	3.0	97	Pass
Grid Location G.2/10.3	1	12	98.0	21.7	3.0	99	Pass

Notes: 1. Difference with respect to the optimum moisture content.

General Notes: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable ASTM methods: D 2922 and D 3017.

Remarks: Mr. Michael Davis was informed of field test results.

Copies To: Mr. Rabon Metcalf, P.E., Rabon Metcalf Engineering

CME Testing and Engineering, Inc.

Jarrod R Tanton